

Conference Schedule

May 1, 2018 – Wells Conference Center

12:00 PM: COFFEE / TEA / WATER

12:00-12:05 PM: Welcome Address: Introduction by Dan Sandweiss, Professor, Climate Change Institute & Department of Anthropology; Cooperating Professor, School of Earth and Climate Sciences; Director of School of Policy and International Affairs.

SESSION 1 (Session Moderators: Anne St. Amand)

12:05 PM: A Glacial Perspective on North Atlantic Climate During Heinrich Stadials
Allie Balter

12:17 PM: Using Ice Penetrating Radar to Identify Holocene Age Ice in the St. Elias Mountains, Canada
Aaron Chesler

12:29 PM: What Causes Glaciers to Become Unstable? An Exploration of Controls on the Surging Behavior of Donjek Glacier, Yukon Territories, Canada
Will Kochtitzky

12:41 PM: Multi-Level Governance of Climate Change Adaptation: Examining Rhetoric and Resources from the Halls of the United Nations to the Hillside of Nicaragua
Anna McGinn

12:53 PM: A Screening-Level Protocol for Quantifying Risk From Organochlorine Pollutants in Glacial Meltwater: Jarvis Glacier, Alaska
Kimberley Rain Miner

1:05 PM: Understanding the Ecology of the Diatom *Aulacoseira* in Alpine Lakes
Edna Luz Pedraza Garzón

1:17 PM: Holocene Climate, Vegetation, Fire and Human Impacts in Jamaica, West Indies
Mario A. Williams

1:29 PM: Past Versus Present Climate in the North Atlantic and Arctic
Jeffrey D. Auger

1:41 PM: Microanalysis of Tephra from the Colle Gnifetti Ice Core
Laura Hartman

1:53 PM: Glacial Geochronology of the Northern Peruvian Andes: ¹⁰Be Exposure Ages from the Cordillera Blanca, Peru
Sarah R. Hall

2:00-2:20 PM: SHORT BREAK WITH REFRESHMENTS

SESSION 2 (Session Moderator: Kimberley Rain Miner)

2:20 PM: How do Climatic Factors Influence Shifts in Dissolved Organic Carbon and Depth of Light Attenuation in Lakes in West Greenland?
Rachel A. Fowler

2:32 PM: North American Trees Underfill Climatic Ranges
Benjamin J. Seliger

2:44 PM: Developing an Ultra- High-Resolution Record of the Termination II and the Last Interglacial from the Allan Hills Blue Ice Area (BIA), Antarctica

Elena Korotkikh

2:56 PM: Seasonal Analysis of Three Middle Woodland Archaeological Sites in Eastern Maine using Modern and Excavated Marine Bivalve Mollusks, *Mya arenaria*

Emily M. Blackwood

3:08 PM: Climate Change may Increase the Prevalence of Amyotrophic Lateral Sclerosis (ALS) in Maine.

Matthew Kruger

3:20 PM: A 2000-year Long European Alps Ice Core Reveals New Climate Proxies

Heather Clifford

3:32 PM: Evaluating Numerical Simulations of the December 2013 Ice Storm Across Maine, USA

Julia M. Simonson

INVITED LECTURE

3:45 PM:

Rolfe Mandel, University Distinguished Professor Director, Kansas Geological Survey, University of Kansas (PhD, Special Studies Quaternary Research Program, University of Kansas)

Landscape Response to Bioclimatic Changes Over the Past 13,000 Years in the Central Great Plains of North America

SESSION 3 – 4:30 – 5:00 PM: POSTER SESSION / CASH BAR

Assessing Rifting on the Western Lateral Boundary of Ross Ice Shelf, Antarctica

Clara Deck

Understanding Ocean Forcing of Polar Glacier Change Using Remotely-Sensed Iceberg Melt Data

Mariama C. Dryak

Calibrating Ice Core, Weather Station, and NASA MODIS Ice Surface Temperature Records to Analyze Atmospheric Variability in the St. Elias, Yukon, Canada

Erin McConnell

Ground-Penetrating Radar as a Rapid Cultural Resource Management Technique for Shell Midden Delineation

Jacquelynn F. Miller

How Much Silica do Diatoms Bury?

Joseph Mohan

Establishing the Timing and Characteristics of Recent Floods in the Forearc of Southern Peru

Alba M. Rodriguez Padilla

Late-Holocene Climate Fluctuations Recorded by the Moraines of Hooker Glacier, Southern Alps, New Zealand

Noel L. Potter

The Paleoecology of Great Duck Island with Emphasis on Charcoal Analysis

Gemma L. Venuti

5:00-6:00 PM: BUFFET DINNER -- CASH BAR

SESSION 4

DAVE CLAYTON SMITH LECTURE

6:00 PM:

Andrew Cohen, Distinguished Professor of Geosciences and Joint Professor of Ecology & Evolutionary Biology, University of Arizona (PhD, University of California-Davis, Geology-Paleontology)

Scientific Drilling in the Ancient Lake Deposits of the African Rift Valley: A 3.5 Million Year Archive of Tropical Ecosystem History

May 2, 2018 – Wells Conference Center

7:30 AM: COFFEE / LIGHT BREAKFAST

SESSION 5 (Session Moderator: Will Kochtitzky)

8:00 AM: Deer Tick Phenology and Warming Climate in Maine, USA

Susan Elias

8:12 AM: Climate-Driven Migration: Prioritizing Cultural Resources Threatened by Secondary Impacts of Climate Change

Anne St. Amand

8:24 AM: A Model-Based Approach to Incorporate Environmental Variability Into Assessment of an American Lobster Fishery

Kisei R. Tanaka

8:36 AM: Using Paleoecology and Archaeology to Re-write the Human History of the Falkland Islands

Kit Hamley

8:48 AM: Squirrels on the Move: The Response of North American Flying Squirrels (*Glaucomys Volans* And *G. Sabrinus*) to Rising Ambient Temperatures

Vanessa R. Hensley

9:00 AM: A Tiny Java Library for Maintaining Model Provenance

Mark E. Royer

9:12 AM: Excavations at Tranquility Farm: A Seasonality Analysis Using Mollusk Remains

Kate Pontbriand

9:24 AM: The Last Termination Recorded in Tsagaan Gol-Potantin Glacier Valley, Altai Mountains, Mongolia

Mariah J. Radue

9:36 AM: Holocene Deglaciation at Amundsen and Liv Glaciers, Antarctica

Jill N. Pelto

9:48 AM: How do Changes in the Timing of Ice-Out Affect Arctic Versus Boreal Lakes?

Kate A. Warner

10:00 – 10:15 AM: SHORT BREAK WITH REFRESHMENTS

SESSION 6 (Session Moderator: Kate Pontbriand)

10:15 AM: Differential Retreat Rates Barnes Ice Cap, Arctic Canada: 1985-2016

William A. Sneed

10:20 AM: Shifting Accounts and Shifted Emissions: Emissions Accounting, Trade and the Reproduction of International Advantage in Climate Change Negotiations

Cindy Isenhour

10:25 AM: Mammalian Thermoregulation in Hot Climates: Clues for Deciphering the Past and Predicting the Future

Danielle L. Levesque

10:30 AM: Science and Scientists in Ongoing Support of the U.S. Clean Air Act

Ivan J. Fernandez

10:35 AM: Anthropogenic Trace Elements (Bi, Cd, Cr, Pb) Emissions in the West Antarctica

Franciele Schwanck

10:40 AM: A Low-Overhead Scalable Data-Collection Service

Sudarshan S. Chawathe

10:45 AM: High-resolution Satellite Observations of Columbia Glacier, Alaska, Reveal Shifting Controls on Mass Loss During Retreat

Ellyn M. Enderlin

10:50 AM: Glaciation on Mercury: Flow of Ice in Permanently Shadowed Circum-Polar Craters

James L. Fastook

10:55 AM: Rapid Deglaciation of Eastern Maine

Brenda Hall

11:00 AM: Conservation Paleobiology Above Treeline in the Northeastern United States

Caitlin McDonough MacKenzie

11:12 AM: The Kangerlussuaq International Research Network (KAIRN)

Jasmine E. Saros

INVITED UNIVERSITY OF MAINE ALUMNI LECTURE

11:30 AM:

Bess Koffman, Assistant Professor of Geology, Colby College (PhD, Earth and Climate Sciences, University of Maine)

Dust, Ash, and Climate: Tracing Sources and Impacts in the Subarctic Pacific Ocean

12:15PM: PICTURES – GROUP PHOTO – PHOTO OF GUEST SPEAKERS

12:30 PM – 1:00PM: BUFFET LUNCH

1:00 PM --AWARDS AND AWARD PICTURES--

SESSION 7 (Session Moderator: Mariah Radue)

1:15 PM: Temporal Ecology for Communities in a Dynamic World

Jacquelyn L. Gill

1:27 PM: Vegetation Cover and Climate at the Rancho La Brea Tar Pits, Southern California during Marine Isotope Stage 3 (57 – 29 ka)
Katherine C. Glover

1:39 PM: Scalability Analysis of Structured Embedded Grids and Unstructured Meshes in Large Scale Ice Sheet Modeling
Phillip Dickens

1:51 PM: Learning About Climate Change is Emotional: A Perspective from Science Education
Elizabeth Hufnagel

Closing Remarks

Thank you to all of the CCI graduate students who participated in moderating sessions, as well as those who assisted with event setup and clean up activities.

Thank you Anna McGinn for taking photographs at the Borns Symposium.

Special thanks Mark Royer and Mariusz Potocki for their assistance with the audio-visual component for this event.

A big thank you to our Borns Symposium judges, KirkI Maasch, Paul Mayewski, Aaron Putnam, Dan Sandweiss, Jasmine Saros, and Greg Zaro.

THANK YOU!!